BRUHATH BENGALURU MAHANAGARA PALIKE

MODIFIED ESTIMATE

Name of Work: Modified Estimate for Desilting and resetting of drain and re asphalting Soap factory layout in Bagalagunte, ward no.14, Dasarahalli Sub Division

BRUHAT BANAGLORE MAHANAGARA PALIKE

Excecutive Engineer Dasarahalli Division

DETAILED ESTIMATE

Name of Work:Modified Estimate for Desilting and resetting of drain and re asphalting Soap factory layout in Bagalagunte, ward no.14, Dasarahalli Sub Division

Job Code: 014-18-000061 | Estimate Amount : | 42.36

Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions L	B	D	Quantity	Rate .	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 (P.No.6 I.No.2.3)								
	Basic Rate	179.00							
	Local calculation for 13.3 km (2x1.28x13.3)+57=91.048	91.05							
	AW 6%	10.74							
	Total	280.79							
	New Rcc Drain								
	Soap factory layout Connecting Road		1	200	1.10	0.90	198.00		
	Burrial Ground		2	51	1.10	1.00	112.20		
	Road Work								
	Burrial Ground		1	51.00	6.90	0.30	105.57		
	6th cross		2	190.00	1.00	0.15	57.00		
	1st Cross		2	110.00	0.90	0.15	29.70		
		Total Quantity					500.34		
		Schedule B Quantity					284.46		
		Quantity up to 125%					355.58	280.79	99841.90
		Quantity Above 125%					144.77	280.79	40648.56
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.13/4.3)								
	Basic Rate:	5102.00							
	Area Weightage 6%	306.12							
	Total	5408.12							
	New Rcc Drain								
	Soap factory layout Connecting Road		1	200	1.10	0.15	33.00		
	Burrial Ground		2	51	1.10	0.15	16.83		
		Total Quantity					49.83		
		Schedule B Quantity					33.00		
		Quantity up to 125%					41.25	5408.12	223084.95
		Quantity Above 125%					8.58	5408.12	46401.67
3	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No. 17 / Item No.4.36)								
	Basic Rate	358.00							
	AW@ 6%	21.48							
	Total	379.48							
	Rcc Drain								

Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions			Quantity	Rate .	Amount
				L	B	D			
	Soap factory layout Connecting Road		1x2	200.00	0.60		240.00		
	Smashana road		2x2	51.00	0.60		122.40		
		Total Quantity					362.40		
		Schedule B Quantity					540.00		
		Quantity up to 125%					362.40	379.48	137523.55
		Quantity Above 125%							
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications Specification No KBS 4.1 4.6								
	Basic Rate:	5659.00							
	Area Weightage 6%	339.54							
	Total	5998.54							
	Rcc Drain								
	Soap factory layout Connecting Road Raft		1	200.00	1.10	0.15	33.00		
	Soap factory layout Connecting Road road Wall		1x2	200.00	0.15	0.60	36.00		
	Smashana road Raft		2	51.00	1.10	0.15	16.83		
	Wall		2x2	51.00	0.15	0.60	18.36		
		Total Quantity					104.19	-	
		Schedule B Quantity					63.00		
		Quantity up to 125%					78.75	5998.54	472385.03
		Quantity Above 125%					25.44	5998.54	152602.86
5	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (TMT bars FC 500)(P.18/4.46.2) Issue rate date : 02.11.2021 till now								
	Basic Rate	87417.00							
	Area Weightage 6%	5245.02							
	Total	92662.02							
	For Drain								
	Qty @60Kg/Cum		104.19	60.00			6251.40		
		Total Quantity					6.25		
		Schedule B Quantity					3.78		
		Quantity up to 125%					4.73	92662.02	437828.04
		Quantity Above 125%					1.53	92662.02	141439.31
6	Providing and and fixing Precast Concrete slab 10 CM thick witth all lead and lift as per specification (Data Rate Approved) 2018-19								
	Basic Rate:	2337.00							
	Total	2337.00							
	Rcc Drain								
	Soap factory layout Connecting Road road Wall		1	200.00	0.90		180.00		
	Smashana road Raft		2	51.00	0.90		91.80		
		Total Quantity					271.80		
		Schedule B Quantity					180.00		
		Quantity up to 125%					225.00	2337.00	525825.00
		Quantity Above 125%					46.80	2337.00	109371.60

Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions L	B	D	Quantity	Rate .	Amount
7	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3								
	Basic Rate	6.00							
	AW@ 6%	0.36							
	Total	6.36							
	Camber Correction of road								
	Burrial ground		1	51.00	6.90		351.90		
	6th cross		2	190.00	1.00		380.00		
	1st Cross		2	110.00	0.90		198.00		
			Total Quantity				922.50		
		Schedule B Quantity					1761.32		
		Quantity up to 125%					922.50	6.36	5867.10
		Quantity Above 125%							
8	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications MORTH Specification No. 406 (P.No.155								
	Basic Rate	1888.00							
	AW 6%	113.28							
	Total	2001.28							
	Burrial ground		1	51.00	6.90	0.23	80.94		
	6th cross		2	190.00	1.00	0.15	57.00		
	1st Cross		2	110.00	0.90	0.15	29.70		
			Total Quantity				168.98		
		Schedule B Quantity					264.20		
		Quantity up to 125%					168.98	2500	422450.00
		Quantity Above 125%							
9	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (P.No.158 I.No.21.6)Issue Basic Rate Date:02.11.2021 to till								
	Basic Rate	32.00							
	AW 6%	1.92							
	Total	33.92							
	Burrial ground		1	51.00	6.90		351.90		
	6th cross		2	190.00	1.00		380.00		
	1st Cross		2	110.00	0.90		198.00		
						Total Quantity	922.50		
						Schedule B Quantity	1761.32		
						Quantity up to 125%	922.50	32.62	30091.95
						Quantity Above 125%			
10	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 (P.No.158 I.No.21.2)								
	Basic Rate	6.00							
	AW 6%	0.36							
	Total	6.36							
	Burrial ground		1	51.00	6.90		351.90		

Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions L	B	D	Quantity	Rate .	Amount
	6th cross		1	190.00	5.75		1092.50		
	1st Cross		1	110.00	4.50		495.00		
			Total Quantity				1507.00		
			Schedule B Quantity				1761.32		
			Quantity up to 125%				1507.00	6.36	9584.52
			Quantity Above 125%						
11	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 Issue Basic Rate Date:02.11.2021 to till now	12.00							
	AW 6%	0.72							
	Total	12.72							
	Burrial ground		1	51.00	6.90		351.90		
	6th cross		1	190.00	5.75		1092.50		
	1st Cross		1	110.00	4.50		495.00		
			Total Quantity				1889.50		
			Schedule B Quantity				1761.32		
			Quantity up to 125%				1889.50	12.72	24034.44
			Quantity Above 125%						
12	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.161 I.No.21.17.6) Issue Basic Rate Date:02.11.2021 to till now								
	Basic Rate	8062.00							
	AW 6%	483.72							
	Total	8545.72							
	Burrial ground		1	51.00	6.90	0.05	17.60		
	6th cross		2	190.00	1.00	0.05	19.00		
	1st Cross		2	110.00	0.75	0.05	8.25		
						Total Quantity	43.65		
						Schedule B Quantity	176.13		
						Quantity up to 125%	43.65	9500	414675.00
						Quantity Above 125%			
13	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects complete as per specifications. - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % CRMB 55 (P.No.158 I.No.21.23.6) Issue Basic Rate Date:02.11.2021 to till now								
	Basic Rate	9617.00							
	AW 6%	577.02							
	Total	10194.02							
	Burrial ground		1	51.00	6.90	0.04	14.08		
	6th cross		1	190.00	5.75	0.04	43.70		
	1st Cross		1	110.00	4.50	0.04	19.80		
							75.58		
						Schedule B Quantity	52.84		
						Quantity up to 125%	66.05	12000.00	792600.00
						Quantity Above 125%	9.53	12000.00	114360.00

KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (P.No.185 I.No.24.15)								
Basic Rate	429.00							
AW 6%	25.74							
Total	454.74							
Burrial ground								
8 th Cross		2	51.00	0.10		10.20		
9 th Cross		2	190.00	0.10		38.00		
		2	110.00	0.10		22.00		
					Total Quantity	70.20		
					Schedule B Quantity	140.40		
					Quantity up to 125%	70.20	500.00	35100.00
					Quantity Above 125%			
					Total Rs			4235702.98

Sanctioned Tender Amount RS	4716486.09	
Modified Estimate Cost Rs	4235702.98	4235702.98
GST amount 18%		762507.54
Savings		1789.48
		5000000.000

"Counter signed"

Assistant Engineer
Ward No.14

Assistant Executive Engineer
Dasarahalli Sub-

Executive Engineer
Dasarahalli Division

EXECUTIVE ENGINEER
Bruhat Bengaluru Mahanagara Palike
Dasarahalli Division Bangalore-57

Technically Sanctione for Rs. 42.35 Lakhs/-
Rs. In words Rs. Fourty two lakhs thirty five thousand seven Hundred and two only/-
Under P:0190
Job Code No. 014-18-000061
Registered as CE/D No. 25/2022-23 Subject to conditions contained in Enclosed Memo No. CE/D2/75/25/2022-23 Dt. 20/01/2023
AE/JE: 20/01
CE(D)